

# Multi-layer three-dimensional display

**Publication number:** EP1093008

**Publication date:** 2001-04-18

**Inventor:** WEISS VICTOR (IL); RUMBACK HANAN (IL)

**Applicant:** ELOP ELECTROOPTICS IND LTD (IL)

**Classification:**


**- International:** G02B27/22; G02F1/1347; G09G3/36; H04N13/00; G02B27/22; G02F1/13; G09G3/36; H04N13/00; (IPC-7); G02F1/1347; G09G3/36; H04N13/00

**- European:** G02B27/22V1; G02F1/1347; G09G3/36; H04N13/00S4V5; H04N13/00S4Y

**Application number:** EP20000303987 20000511

**Priority number(s):** IL19990132400 19991014

**Also published as:**

 US6721023 (B1)

**Cited documents:**

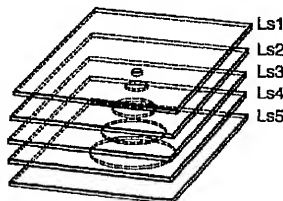
 US5764317  
 US5113272  
 US5291330  
 US4597635  
 US5208686

[Report a data error here](#)

## Abstract of EP1093008

A multi-layered imaging device for three-dimensional image display, comprising: a plurality of two-dimensional layers superposed in the third dimension, each of said layers having two major surfaces and at least one peripheral edge, said layers being made of a material selected from the group of non-conventional, polarizer-free liquid crystal materials including polymer-dispersed liquid crystals (PDLC) and derivatives and combinations thereof, wherein the exposure of at least one of said layers to illumination allows the transmission of light with minimal losses, facilitating utilization of a maximal number of layers for imaging a three-dimensional display.

**Fig.1 (b).**



Data supplied from the [esp@cenet](#) database - Worldwide